

VERSION DESCRIPTION DOCUMENT FOR THE NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)

Release 3.1.1

NASA-NPDMS-VDD-14

PrISMS Contract

November 8, 2002



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

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NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)
RELEASE 3.1.1**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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RELEASE 3.1.1**

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GEORGE C. MARSHALL SPACE FLIGHT CENTER
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1. INTRODUCTION

This Version Description Document (VDD) describes the changes and installation procedures for this release of the NASA Property Disposal Management System (NPDMS). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

1.1 IDENTIFICATION OF THE RELEASE

This software release is identified as NPDMS, Release 3.1.1 and has an effective release date of November 8, 2002.

1.2 PURPOSE OF THE RELEASE

This release implements modifications for the following Change Control Requests (CCRs):

<u>CCR</u>	<u>Title</u>
470	Building Number table conversion

This release implements modifications necessitated by the following Discrepancy Reports (DRs):

<u>CCR</u>	<u>Title</u>
None	None

1.3 SCOPE

This VDD provides the functional and technical user of NPDMS with information regarding the content, status, and structure of Release 3.1.1, including the following:

- Changes implemented since Release 3.1.0;
- Validation procedures to ensure the reliability of release changes;
- References to other documentation affected by this release;
- Detailed software installation instructions.

No waivers are associated with this release.

1.4 CONTACT POINTS

Sustaining Engineering for NPDMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Use following Key Words: SESAAS & NPDMS)

Telephone: (256) 544-6673
Email: neal.cantrell@msfc.nasa.gov
FAX: (256) 544-1836

2.0 FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT and SYSERR changes related to this release.

2.2 FUNCTIONAL INTERFACES

This section is not applicable for this release.

2.3 CRITICAL ISSUES

This section is not applicable for this release.

2.4 AFFECTED DOCUMENTS

This section is not applicable for this release.

2.5 APPLICATION SYSTEM ADMINISTRATION

There are no application system administration changes associated with this release.

3.0 TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

There are no technical system interface issues with this release.

3.2 DATA DICTIONARY CHANGES

Refer to Appendix D, Section 4.1, for the data dictionary changes in this release.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

3.4.2 Inventory of Objects

Refer to Appendix D, Section 2.1, for an inventory of Natural object types.

3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for NPDMS Software Release 3.1 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

4.0 KNOWN AND OPEN PROBLEMS

There are no known or open problems related to this release.

APPENDIX A - ABBREVIATIONS AND ACRONYMS

CC	Consolidation Center
CCR	Change Control Request
CSC	Computer Sciences Corporation
DBA	Database Administrator
DR	Discrepancy Report
FAX	Electronic Facsimile Transmission
IRM	Information Resources Management
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
NEMS	NASA Equipment Management System
NPDMS	NASA Property Disposal Management System
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
VDD	Version Description Document

APPENDIX B - GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a NASA software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of a NASA application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with a NASA application.

APPENDIX C - FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release:

Section	CCR	Title
1.0	470	Building Number table conversion

Details for the validation procedures follow:

1.0 CCR 470 – Building Number table conversion.

NEMS CCR 338 – With the centralization fo the NEMS system and the consolidation of files, duplicates will exist on the NEMS Building Number table (102) if the data is not converted. NPDMS also uses this table.

Description of Change

Conversion programs were created to change the building numbers to include a 2-position center identifier followed by a dash before the 7 position building number.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

NOTE: Step 7.1 Run BLDUPDT1 in the NEMS 5.1.2 VDD must be completed before running steps 7.1 – 7.2 for NPDMS.

- Execute step 7.1 Run BLD_CASE.
Expected Results: The building numbers on the ND-CASE and ND-CASE-HIST will be converted as specified in the input file.
NOTE: The WRHS-LCTN-ADRS is not being converted. If this field should be converted then change #PROCESS to TRUE.
- Execute step 7.2 Run BLDNDTXN
Expected Results: The building numbers on the ND-TRANSACTION and ND-TRANS-HIST file will be converted as specified in the input file.
NOTE: The WRHS-LCTN-ADRS is not being converted. If this field should be converted then change #PROCESS to TRUE.
- Execute step 7.3 Run BLDNDNSM
Expected Results: The building numbers on the ND-NSMS file will be converted as specified in the input file.
- Execute step 7.4 Run BLDNDTBL
Expected Results: The building numbers on the ND-TABLE file will be converted as specified in the input file.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
BLDCASE	Convert building number on the ND-CASE And ND-CASE-HISTORY files	Program
BLDNDTXN	Convert building number on the ND-TRANSACTION And ND-TRANS-HIST files	Program
BLDNDNSM	Convert building number on the ND-NSMS files	Program
BLDNDTBL	Convert building number on the ND-TABLE file	Program

APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 3.1.1

Introduction

Release information:

System Name: NPDMS
Release Number: 3.1.1
Release Date: November 8, 2002
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NPDMS)

Telephone: (256) 544-6673
Email: neal.cantrell@msfc.nasa.gov
FAX: (256) 544-1836

***** IMPORTANT NOTE *****

All release datasets must be deleted from the transient storage DASD volumes within 1 month of the release date. Failure to delete release datasets could negatively impact NPPS production.

The following datasets are located on the transient storage DASD volumes under the following data sets names:

xxMOV.NPDMS.PROD.R311.R1102.SRC

Where "xx" is replaced by the appropriate NASA Center designation.

AR - ARC
DF - DFRC
GS - GSFC
HQ - HQ
J5 - JSC
KS - KSC
LA - LaRC
LE - GRC (Glenn)
MS - MSFC
SS - SSC

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in Section 9.0 to assist in tracking the installation of this release.

- 1.0 Back Up Existing Data
- 2.0 Copy Source
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release-Specific Procedures
- 8.0 Local JCL Mods
- 9.0 Installation Checklist

1.0 Back Up Existing Data

It is advisable to back up all NPDMS files as a precautionary measure prior to installation.

2.0 Copy Source

2.1 Copy Source Code

Load the NPDMS source library from dataset:

xxMOV.NPDMS.PROD.R311.R1102.SRC.

The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPDMS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by Type	Count
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	0
MAPS	0
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	0
PROGRAMS	4
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	4

2.2 List of Source Code Modifications

The following are the modules added, modified, and deleted.

Added Modules:

- | | |
|-------------|---------|
| 1. BLD_CASE | Program |
| 2. BLDNDNSM | Program |
| 3. BLDNDTBL | Program |
| 4. BLDNDTXN | Program |

Changed Modules:

There are no changed modules deleted with this release.

Deleted Modules:

There are no modules deleted with this release.

3.0 Pre-Predict Data Conversion

Not applicable with this release.

4.0 Install Predict

4.1 Data Dictionary Changes

Not applicable with this release.

5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules that start with BLD* in the NPDMS or other named library. **IT IS NOT NECESSARY** to catalog the Global Data Area. The NASA Batch Standard Parameters should be used for the compile.

After all objects are compiled, the NPDMS application will run under the NASA On-line Standard Parameter.

6.0 Post-Predict Data Conversion

Not applicable with this release.

7.0 Perform Release-Specific Procedures

7.1 Run BLD_CASE

This module uses the edited file from BLDUPDT1 to update the NPDMS: Case and Case History files.

7.2 Run BLDNDTXN

This module uses the edited file from BLDUPDT1 to update the NPDMS: Transaction and Transaction History files.

7.3 Run BLDNDNSM

This module uses the edited file from BLDUPDT1 to update the NPDMS: NSMS file.

7.4 Run BLDNDTBL

This module uses the edited file from BLDUPDT1 to update the NPDMS: Table file.

8.0 Local JCL Mods

None

9.0 Installation Checklist

- 1.0 Back Up Existing Data
- 2.0 Copy Source
 - 2.1 Copy Source Code
 - 2.2 List of Source Code Modifications
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
 - 4.1 Data Dictionary Changes
 - 4.1.1 Inventory of Objects
 - 4.1.2 Storage Considerations

- 4.1.3 Physical File Changes
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release Specific Procedures
 - 7.1 Run BLD_CASE
 - 7.2 Run BLDNDTXN
 - 7.3 Run BLDNDNSM
 - 7.4 Run BLDNDTBL
- 8.0 Local JCL Mods

APPENDIX E - SAMPLE JCL FOR BUILDING CONVERSION

NOTE: Do not run these steps until step 7.1 for the NEMS 5.1.2 release has been completed.

Sample JCL for steps 7.1 - 7.4. It is recommended that the modules be run one at a time.

```
000001 //IRNPDM      JOB (AGAOHNEMS002,4485), 'BLD UPDT', CLASS=D,
000002 //              NOTIFY=USERID, MSGCLASS=A
000003 //*
000004 //NATURAL EXEC N01Z
000005 //CMWKF05 DD DSN=MSIRM.LOCAL.DATASET.NAME, DISP=OLD
000006 //CMPRINT DD SYSOUT=(I, PSBOK1C), DEST=U0088
000007 //CMSYNIN DD *
000008 LIBRARY, USERID
000009 %*
000010 PASSWORD
000011 MODULE
000012 FIN
000013 /*
000014 //
```

On line 5 change LOCAL.DATASET.NAME to the dataset created in NEMS Step 7.1.
On line 11 substitute the modules names from steps 7.1 – 7.4 for MODULE.

BLDCASE
BLDNDTXN
BLDNDNSM
BLDNDTBL